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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#561
Amaly B
10.8.02
PATENT

Applicant : Pollmann et al.

Appl. No. : 09/800,268

Filed : March 5, 2001

For : EQUALIZER PERFORMANCE
ENHANCEMENTS FOR
BROADBAND WIRELESS
APPLICATIONS

Examiner : David B. Lugo

Group Art Unit 2634

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James F. Herkenhoff, Reg. No. 51,241

AMENDMENT

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

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Technology Center 2600

Dear Sir:

In response to the Office Action mailed June 28, 2002, Applicant respectfully submits the following amendments and remarks.

IN THE SPECIFICATION:

Please replace the paragraph starting at line 7, page 7 with the following new paragraph:

The modem 100 may be equipped with a process for providing soft resets. A reset signal, while the modem 100 is in transmit mode, may occur in several instances. For example, during uplink transmission, a software module may be too slow in sending data to the modem 100, as may occur if the data is modulated using quadrature amplitude modulation 64. In such a case, the limited data received by the modem 100 may cause an interrupt to be generated. The modem 100 then halts the transmit interface and sets a transmit-reset bit. The modem 100 then flushes, realigns, and reprograms the necessary buffers. Once this process is completed, the modem 100 restarts the transmit interface, completing the reset operation.

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